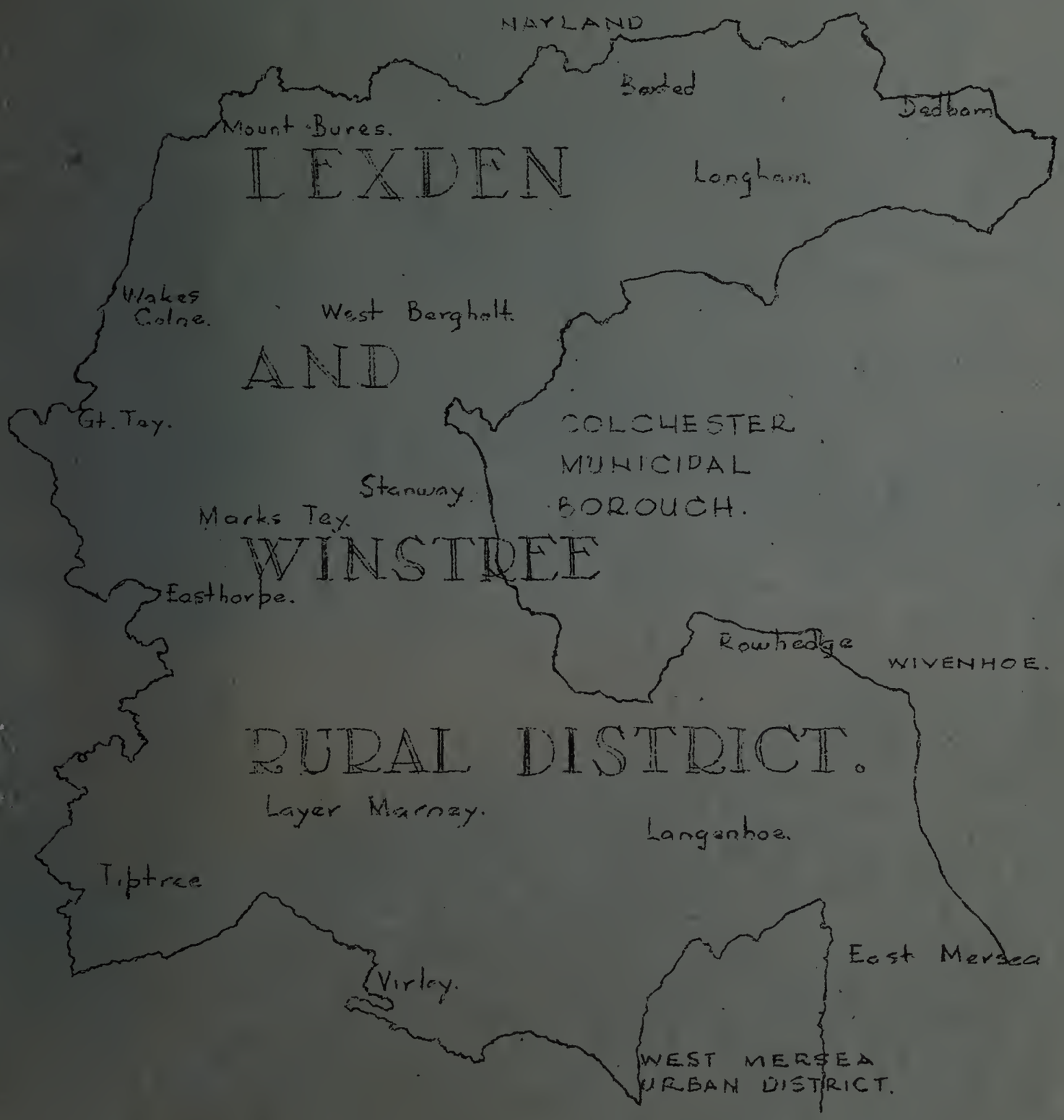
LEXDEN AND WINSTREE RURAL DISTRICT COUNCIL

ANNUAL REPORT
MEDICAL OFFICER OF HEALTH
1972

LEXDEN GRANGE
127 LEXDEN ROAD
COLCHESTER, ESSEX



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LEXDEN AND WINSTREE RURAL DISTRICT COUNCIL

LEXDEN GRANGE

127 LEXDEN ROAD
COLCHESTER, ESSEX

Telephone 77494

12th September 1973

To the Chairman and Members of the
Lexden and Winstree Rural District Council.

Mr Chairman, Ladies and Gentlemen,

I have pleasure in presenting my report for the year 1972.

Since this is the last annual report of this district's last Medical Officer of Health I thought it might be of interest to include parts of the first annual report of the first Medical Officer of Health. It was presented in 1892. During these 80 years 5 Medical Officers of Health have served in the district, the first one, Dr. Cook for the space of 30 years and the third Dr. Alderton for 33 years.

May I respectfully commend to you as most interesting reading those early accounts of the state of the Rural District now lodged in your archives.

Mr Chairman, Ladies and Gentlemen I wish to thank the members of the Council and the Council's staff for their assistance during my relatively short term of seven years office.

I am sensible of the honour of having been,

Yours Obedient Servant

Sylvia Macmillan

The Rural Sanitary Authority of the Lexden and Winstree Union including the parishes of West Mersea and Wivenhoe. There were 36 Parishes with a population of 21,566 (1891 Census) and an acreage of 71,186. The rateable value was £99,972 and the average number of persons per acre was 0.30.

The members of the Council were entirely male (the first woman was elected in 1919) and the newly appointed Dr. Jno. W. Cook wrote his report after one full year in Office in 1892. He served for 30 years. His reports throw perseptive light on a small piece of rural social history. I quote extracts from that first report of 1892.

"Water. There is no public water supply, mainly shallow polluted wells but several deep wells have been sunk at Peldon, Copt Hall Marsh, Tiptree Heath, Rowhedge Brewery and West Bergholt Brewery. An attempt is now being made to get the Colchester Urban Sanitary Authority to extend their water mains so as to supply some 30 houses recently erected in the Parish of Stanway near the Union Workhouse and I trust this will soon be arranged."

"Sewers. Public sewers in this district are still few and far between. In the villages, where any exist they are rather of the style of the old brick or red pipe drain and these generally discharge in an objectionable way. At West Bergholt you have recently had a piece of sewer laid down, but on account of the obstinacy of the contractor this is still in an unfinished state.

Sewerage works of considerable extent must soon press themselves for your consideration in more localities than one."

"Privies. Many privies and ashpits have been reconstructed in the past 2 years. Especially in Wivenhoe and Rowhedge, privies of very large dimensions have been discovered and these are being reduced in size, while many are being converted into pail closets. For some years, since farmers seemed to care less for manure for their land the inhabitants and especially those residing in villages have had difficulties in getting their receptacles emptied. For the 3 larger villages of Dedham, Wivenhoe and Rowhedge, you have, on my recommendation, contracted with scavengers for this purpose."

"Houses of the Working Classes. These arein many instances old and of poor accommodation but although some instances of overcrowding have been discovered this does not exist to any great extent."

"Slaughterhouses. These are periodically looked to by the Inspector of Nuisances and myself and we generally find them in good order but some are now in a somewhat insanitary condition. These will be broughtbefore

you on an early occasion."

"Sanitary Staff. Your sanitary staff consists of the Inspector of Nuisances and myself. During the last few months of the year on account of the large presence of infectious disease we found our time more than fully occupied."

"Infectious Disease. A total of 209 cases were reported under the Notification of Infectious Disease Act 1890.

Diptheria	37
Erysipelas	18
Scarlet fever	125
Typhoid fever	29

Death rate 16.66 per 1,000 persons living.

Death rate 19.00 England and Wales.

Death rate under 1 year 105.9 per 1,000 children born.

Birth rate 25.94.

LEXDEN AND WINSTREE RURAL DISTRICT COUNCIL

1972 - 1973

Chairman of the Council

Lt-Col. B.E.M. Harding M.B.E.

Vice-Chairman of the Council

Mr R.M. Stuart A.M.I.B.E.

Clerk to the Council

D.S. Mitchell, M.A.(Oxon).

PUBLIC HEALTH COMMITTEE

Chairman: Mrs C.M. Cock

Vice-Chairman: Mr R.W.R. Browning

Lt-Col. J.G. Round, DL,J.P.

Mr P.A. Evans

Mr J. Jackson

Mr G.F.C. Kemp

Mr H.W. Palmer

Mr E.M. Duggan

Lt-Col. R.H.A. Lucas

Mrs A. Bevington Smith

Mr R.J. Thomas

Mr L. Rogers

Maj. J.H. Charnock

Mr E.L.W. James

PUBLIC HEALTH DEPARTMENT STAFF

as at 31st December 1972

Medical Officer of Health

SYLVIA MACMILLAN, M.R.C.S., L.R.C.P., M.B.B.S., D.P.H.,

also Medical Officer of Health to the Wivenhoe Urban District Council, West Mersea Urban District Council and Assistant County and School Medical Officer, Essex County Council.

Chief Public Health Inspector, Engineer and Surveyor.

G. A. GRAVES, F.I. Mun.E.,

Senior Public Health Inspector and Assistant Surveyor.

A. G. SADLER, A.R.S.H.,

Additional Public Health Inspector.

B. M. Lowen, M.A.P.H.I.,

Technical Assistant

W. Loy

Council Offices,
Lexden Grange,
127 Lexden Road,
COLCHESTER.

Telephone: Colchester 77494

LEXDEN AND WINSTREE RURAL DISTRICT COUNCIL

STATISTICS AND SOCIAL CIRCUMSTANCES OF THE AREA

GENERAL STATISTICS

Area of the District (acres)	66,584
Number of Parish	32
Estimated Population (mid year)	33,570
Estimated Population (mid year) (England & Wales)	49,028,900
Rateable Value 31.3.73.	1,094,357
Sum represented by a new penny rate 72/73	10,400
Number of houses in the District	12,333
Number of houses owned by the Council	2,000

SOCIAL CONDITIONS

The district occupies an area partially surrounding the Borough of Colchester: its northern boundary is the River Stour which separates it from Suffolk. South-east of Colchester its eastern boundary is the River Colne and the Blackwater Estuary.

While the district is still mainly rural, development is taking place rapidly in the ring of villages surrounding Colchester and these serve increasingly as dormitory areas for persons employed in the Town and in London.

The majority of the working population find employment outside the district mainly in Colchester and to an increasing extent in London.

EXTRACTS FROM VITAL STATISTICS

The population increased from 32,270 in 1971 to 33,570 in 1972 that is an increase of 1,300.

The annual increase over the past 10 years has on an average been only about 600.

The birth rate declined appreciably and now stands at 15.6 the lowest since 1957 when it was 13.7.

Unfortunately there were 12 infant deaths under 1 year of age against 4 the previous year which is reflected in an Infant Mortality Rate of 22 (England and Wales = 17). However it must be admitted that since the actual numbers are so small the difference is almost certainly not significant.

The Death Rate remains as always rather below the National Average i.e. 9.9 against 12.1 (England and Wales).

It is encouraging to note from the table below fewer deaths from Cancer of the lung.

	1969	1970	1971	1972
Ischaemic Heart Disease	69	76	97	98
Cancer of Lung	12	17	21	11

Of persons under 65 years of age the main causes of death were as follows:

	1969	1970	1971	1972
Ischaemic Heart Disease	12	18	21	19
Cancer of the lung	6	7	7	3
Cerebro-vascular disease	12	11	3	8
Motor vehicle accidents	2	7	5	6
Other accidents	2	2	1	3
Suicide	3	2	2	3
Pneumonia	7	2	2	2

Attention is drawn to the direct relationship between death from Cancer of the Lung and coronary disease and cigarette smoking.

BIRTH STATISTICS

The following table gives the number of annual births in Lexden and Winstree and also the birth rates for the district compared with those for England and Wales from 1962 to 1972.

The Birth Rate is the number of live births per 1,000 mid year estimated population and the Rate referred to is adjusted for age structure to compare with the national rate.

BIRTH RATE

	Lexden and Winstree	England and Wales	Number of births in Lexden and Winstree
1962	19.3	18.0	392
1963	21.6	18.2	438
1964	21.9	18.4	473
1965	24.5	18.0	556
1966	22.3	17.7	527
1967	23.0	17.2	553
1968	24.2	16.9	593
1969	21.1	16.3	525
1970	21.1	16.0	535
1971	20.9	16.0	591
1972	15.6	14.8	549

LIVE BIRTHS

Total No. of live births	549
Legitimate	525
Illegitimate	24

Live birth rate per 1,000 estimated resident population (crude rate)	16.4
Comparability factor for the district	0.95
Live birth rate per 1,000 population (corrected)	15.6
Live birth rate per 1,000 for England and Wales	14.8
Ratio of local adjusted birth rate to national rate	1.05
Illegitimate live births (as % of total live births	4%
England and Wales	9%

STILL BIRTHS

Total number of still births	5
Still birth rate per 1,000 total (live and still) births	9
Still birth rate per 1,000 total (live and still) births England and Wales	12
TOTAL NUMBER OF LIVE AND STILL BIRTHS	554

INFANT MORTALITY

Deaths of Infants Under one Year of Age

Infant Mortality (number of deaths under 1 year of age)	12
Infant Mortality Rate (Total infant deaths per 1,000 total live births)	22
Infant Mortality Rate England and Wales	17
Illegitimate infant deaths under 1 year of age	1
Neonatal Mortality Rate (Deaths under 4 weeks old per 1,000 total live births)	11
Neonatal Mortality Rate England and Wales	12
Early Neonatal Mortality Rate (Deaths under 1 week old per 1,000 total live births)	9
Early Neonatal Mortality Rate England and Wales	10
Perinatal Mortality Rate (Stillbirths and death under 1 week old combines per 1,000 live and still births)	18
Perinatal Mortality Rate England and Wales	22

... ...

Maternal Mortality (including abortion)	
Number of deaths	0
Maternal Mortality Rate (Maternal deaths per 1,000 total live and still births)	0

... ...

INFECTIOUS DISEASES

1972

Measles	12
Pulmonary tuberculosis	8
Infective Hepatitis	1
Dysentery	1
	22

DEATH RATE

Death Rate per 1,000 estimated resident population	11.1
(crude rate)	11.1
Comparability figure	0.82
Corrected death rate (Local adjusted rate)	9.9
England and Wales	12.1

DEATHS IN THE VARIOUS AGE GROUPS

TOTAL deaths in the area - 372

AGE	NUMBER OF DEATHS		
	1970	1971	1972
Under 1 week	3	4	5
1 week - 4 weeks	0	0	1
4 weeks - 1 year	2	0	6
1 - 4 years	1	1	0
5 - 14 years	2	2	2
15 - 24 years	4	2	5
25 - 34 years	3	3	2
35 - 44 year	3	9	4
45 - 54 years	32	15	14
55 - 64 years	41	35	46
65 - 74 years	102	106	93
75 and over	165	161	194
	358	338	372

CAUSES OF DEATH

	MALE	FEMALE	TOTAL
Malignant Neoplasm, Desophagus	1	2	3
Malignant Neoplasm, Stomach	2	1	3
Malignant Neoplasm, Intestine	2	6	8
Malignant Neoplasm, Lung, Bronchus	9	2	11
Malignant Neoplasm, Breast	-	6	6
Malignant Neoplasm, Prostate	3	-	3
Leukaemia	2	2	4
Other Malignant Neoplasms	8	10	18
Diabetes Mellitus	-	6	6
Other Endoctine Etc. Diseases	-	1	1
Anaemias	1	-	1
Mental Disorders	1	-	1
Other Diseases of Nervous System	1	1	2
Chronic Rheumatic Heart Disease	1	2	3
Hypertensive Disease	5	2	7
Ischaemic Heart Disease	56	42	98
Other Forms of Heart Disease	12	10	22

	MALE	FEMALE	TOTAL
Cerebrovascular Disease	16	29	39
Other Diseases of Circulatory System	5	5	10
Influenza	3	6	9
Pneumonia	17	15	32
Bronchitis and Emphysema	13	1	14
Other Diseases of Respiratory System	1	3	4
Peptic Ulcer	-	1	1
Intestinal Obstruction and Hernia	1	-	1
Other Diseases of Digestive System	-	3	3
Nephritis and Nephrosis	2	-	2
Other Diseases, Genito-Urinary System	4	1	5
Diseases of Skin, Subcutaneous Tissue	-	1	1
Congenital Anomalies	1	2	3
Birth Injury, Difficult Labour Etc.	1	1	2
Other Causes of Perinatal Mortality	-	1	1
Symptoms and Ill Defined Conditions	7	17	21
Motor Vehicle Accidents	5	2	7
All Other Accidents	5	3	8
Suicide and Self-Inflicted Injuries	3	-	3
	188	174	373

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA

LABORATORY FACILITIES

The laboratories available are situated at:

The Essex County Hospital
St. Mary's Hospital (Bacteriology)
The Public Health Laboratory, Woodbridge Road, Ipswich.

AMBULANCE

Non-emergency calls are not accepted from the General Public. To obtain an ambulance in an emergency lift the telephone receiver and ask for an ambulance. If there is a dialling system in operation, dial '999' or 100 and ask for an ambulance.

HEALTH SERVICES PROVIDED BY THE ESSEX COUNTY COUNCIL

Ante-Natal and post-Natal clinics
Child Health Clinics
Midwives
Nursing in the home
Health Visiting

Home Helps

Night Sitters

Chiropody

Vaccination and Immunisation against Diptheria, Whooping Cough, Poliomyelitis, Tuberculosis, Tetanus, Measles and German Measles.

Provision of nursing equipment and apparatus

School Health Service

Cytology Clinic, Central Health Services Clinic, East Lodge Court, every Thursday, 9.30 a.m.

Relaxation and Mothercraft Classes are also held at the Central Clinic, East Lodge Court, High Street, Colchester, on Monday a.m., Tuesdays a.m. and p.m. Thursdays a.m. and p.m., Fridays, am. and p.m. by appointment.

Child Health Clinics are held in the following villages:-

TIPTREE - Health Services Clinic, Church Road, Tiptree. (All Services) Tel: Tiptree 6475.

LAYER DE LA HAYE - Second Thursday at the Women's Institute at 2pm. Chirpodist - 3rd Thursday all day (By appointment).

ROWHEDGE - First, Third and Fourth Thursdays at the Pavillon, Rectory Road, at 2 p.m.

STANWAY - Each Tuesday at the Village Hall at 2 p.m.

DEDHAM - Fourth Thursday at the Hewitt Hall at 2 p.m. Chirpodist First and third Thursday at 2 p.m.

WEST BERGHOLT - First, second and fourth Tuesdays at the Orpen Hall at 2p.m.

BOXTED - Third Thursday at the Village Hall at 2p.m.

EIGHT ASH GREEN - Second Monday at the Village Hall at 2 p.m.

FORDHAM - Third Thursday 10 to 11 a.m. at the Village Hall.

GREAT TEY - Third Tuesday at the Village Hall at 2 p.m.

MARKS TEY - First and third Wednesday at the Village Hall at 2 p.m.

COPFORD - Second Wednesday at the Village Hall at 2 p.m.

Assistance from the Home Help Service is obtained by Communicating with the Social Services Department, Park Road, Colchester, Telephone Colchester 79511.

HEALTH SERVICES PROVIDED BY THE REGIONAL HOSPITAL BOARD

V.D. CLINIC

Sessions are held at the Essex County Hospital on Tuesday, 5 p.m. to 6.30 p.m. and Friday, 10 a.m. to 11.30 a.m.

FAMILY PLANNING

Family Planning Association (1) Essex County Hospital, Mondays and Thursdays, 6.30 to 8.30 p.m. Telephone Colchester 6257, (2) Monkwick Health Service Clinic, Tuesdays, 6 p.m. to 9 p.m. I.U.D. Clinic Wednesdays a.m. (by appointment) and first and third Fridays a.m. (by appointment). Telephone Colchester 78571, (3) Tiptree Health Services Clinic, first and third Thursdays, 6 p.m. to 9 p.m. Telephone Tiptree 6475.

MEALS ON WHEELS

This service is carried out by the W.R.V.S. and financially aided by the Rural District and the County Council. Table 1 shows that there has been a steady increase of meals served each year, 1,821 more in 1972 than in 1966.

TABLE 1

1966	1967	1968	1969	1970	1971	1972
6,291	6,787	7,709	7,895	8,383	7,820	8,112

Table II shows the number of meals each parish concerned served in the last six years.

TABLE II

	1967	1968	1969	1970	1971	1972
Rowhedge and Fingringhoe	1,497	2,262	2,179	2,078	1,109	1,164
Tiptree	1,348	1,536	1,861	1,901	1,516	1,589
Stanway	1,263	1,629	1,386	1,375	1,685	1,784
West Bergholt	1,242	818	786	895	1,018	1,099
Dedham	960	849	918	1,382	1,910	1,477
Layer de la Haye	495	615	765	752	582	999

The Service is able to provide meals for most cases where they are actually wanted.

A tribute should be paid to the devoted work done by the W.R.V.S. teams and their Organisers.

... ...

I am no longer in a position to report on Play Groups in the District as these are now administered by the Social Services Department of the Essex County Council.

PUBLIC HEALTH INSPECTOR'S REPORT

The Chairman and Members of the Lexden & Winstree Rural District Council

Mr Chairman, Ladies and Gentlemen,

I beg to submit my report of work carried out during the year ending 31st December, 1972.

HOUSING

The total number of houses built by private enterprise within the district decreased slightly during the year to 452

The number of Council owned dwellings built during the year was 58.

The number of houses improved with the aid of Discretionary and Standard Grants is once again at a satisfactory level.

Steady progress was maintained in dealing with unfit houses and in particular with inspecting houses as and when they became vacant as this is undoubtly the most advantageous time to require improvement and repair.

Ten Qualification Certificates, under the provisions of the Housing Act 1969, were issued during the year.

HOUSING STATISTICS FOR 1972

1.	Number of permanent dwellings in this district at 31 December 1972.	12,333
2.	Number of Council owned dwellings in the district at 31 December 1972.	2,000
3.	Inspection of dwellings during the year:-	
	(i) Inspected for housing defects under Public Health Acts.	218
	(ii) Inspected for housing defects under Housing Acts	676
	(iii) Number of dwellings found to be in need of repair or lacking essential amenities	536
4.	Unfit Houses made fit and Houses in which Defects were Remedied	
	(i) After informal action by Local Authority	303
	(ii) After formal notice under the Public Health Acts	nil
	(iii) After formal notice under the Housing Acts	5
5.	Number of houses demolished during 1972	23
	Number of houses closed during 1972	4
6.	Number of houses erected by private enterprise	452
	Number of Council Houses completed	58
7.	Applications approved for Discretionary Improvement Grants	28
	Applications approved for Standard Improvement Grants	62

PROGRESS IN SLUM CLEARANCE DURING 1972

	Total No. Cat. 5 Houses 1.1.72.	Properties down graded to Cat. 5 in 1972	Houses demolished in 1972	Houses made fit in 1972	Total Cat. 5 houses 31.12.72.	Houses subject to demolition Orders or Closing Orders	Houses subject to undertaking	Listed Cat. 5 houses still to be dealt with	Listed Cat. 5 houses still occupied
Abberton	2	Nil	Nil	Nil	2	Nil	1	1	1
Aldham	3	Nil	Nil	1	2	Nil	Nil	2	2
West Bergholt	16	Nil	Nil	3	13	3	5	5	2
Birch	4	Nil	Nil	Nil	4	Nil	2	2	Nil
Boxted	2	Nil	Nil	2	Nil	Nil	Nil	Nil	Nil
Chappel	1	Nil	Nil	Nil	1	Nil	Nil	1	1
Colne, Wakes	11	Nil	Nil	Nil	11	3	6	2	1
Copford	4	1	Nil	Nil	5	2	1	2	1
Dedham	15	Nil	2	2	11	5	1	5	4
Donyland, East	7	Nil	Nil	Nil	7	2	2	3	2
Eight Ash Green	5	Nil	2	1	2	1	Nil	1	1
Fingringhoe	1	Nil	Nil	Nil	1	Nil	Nil	1	1
Fordham	1	Nil	Nil	Nil	1	Nil	Nil	1	Nil
Horkesley, Gt.	2	Nil	Nil	Nil	2	Nil	1	1	Nil
Horkesley, Lt.	3	Nil	Nil	1	2	Nil	1	1	Nil
Langenhoe	2	Nil	2	Nil	Nil	Nil	Nil	Nil	Nil
Langham	5	Nil	Nil	Nil	5	2	1	2	2
Layer Breton	4	Nil	Nil	Nil	4	2	2	Nil	Nil
Layer de la Haye	3	Nil	Nil	Nil	3	Nil	2	1	1
Layer Marney	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Mersea, East	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Messing Cum Inworth	8	Nil	Nil	2	6	3	2	1	Nil
Mount Bures	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Peldon	4	Nil	Nil	Nil	4	2	Nil	2	2
Salcott & Virley	1	1	1	Nil	1	Nil	Nil	1	1
Stanway	14	5	2	5	12	Nil	1	11	2
Tey, Gt.	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
Tey, Marks	9	3	Nil	Nil	12	4	Nil	8	2
Tiptree	4	2	1	Nil	5	Nil	1	4	2
Wigborough Gt. and Lt.	3	Nil	Nil	Nil	3	2	1	Nil	Nil
Wormingford	3	Nil	Nil	Nil	3	Nil	3	Nil	Nil
	137	12	10	17	122	31	33	58	28

WATER

The Colchester and District Water Board are responsible for the supply and distribution of water throughout the District except in the parish of Dedham, which is supplied by the Tendring Hundred Waterworks Company Limited. The sampling of untreated water from the various sources of supply is carried out by the Water Board who have supplied copies of a typical analysis for inclusion in this report. Bacteriological samples of the treated mains water are submitted for examination by this Department from time to time.

All the samples of mains water sent for bacteriological examination were found to be satisfactory.

Mains water is available in all parishes in the District and 97% of the population are supplied with mains water.

INWORTH AND DISTRICT WATER SUPPLY

CHEMICAL RESULTS IN PARTS PER MILLION

Appearance: Bright with a few particles.
Slight opalescence and deposit on standing.

Colour (Hazen)	5	Turbidity (A.P.H.A. units)	less than 1
pH	7.5	Odour	Nil
Electrical Conductivity	910	Free Carbon Dioxide	18
Chlorine in Chloride	140	Dissolved Solids dried ay 180°C	650
		Alkalinity as Ca Co3	275
Hardness as Ca Co3: 175	Carbonate: 175	Non-carbonate	0
Nitrogen in Nitrate	0.0	Nitrogen in Nitrite	Absent
Ammoniacal Nitrogen	0.40	Permanganate Value	0.30
Albuminoid Nitrogen	0.00	Residual Chlorine	...
Metals: Iron	0.41	Copper, Lead, Manganese	Absent
Metals: Zinc	0.04		

Cadmium: Not detected, less than 0.01 Fluoride: 3.0

Anionic Synthetic Detergent as Manoxol O.T. Not detected, less than 0.02

BACTERIOLOGICAL RESULTS

	1 day at 37°C.	2 days at 37°C.	3 days at 20 - 22°C.
Number of colonies developing on agar	... per ml	... per ml	... per ml
	Present in	Absent from	Most probable number.
Presumptive coliform reaction	... ml	... ml	... per 100 ml
Esherichia coli	... ml	... ml	... per 100 ml
Clostridium perfringens (Cl. wilchii) reaction	... ml	... ml	

Due to its content of iron, this sample shows slight opalescence and deposit on standing. The water also contains a negligible trace of zinc. Its reaction is slightly on the alkaline side of neutrality. Its hardness is moderate and its content of saline constituents is not considered excessive. The water conforms to the highest standard of organic quality.

MOUNT BURES AND DISTRICT WATER SUPPLY

CHEMICAL RESULTS IN PARTS PER MILLION

Appearance: Very faint opalescence with a slight deposit.

Microscopical examination: Mineral particles.

Colour (Hazen) Filtered:	Nil	Turbidity (A.P.H.A. units)	3
pH	7.2	Odour	Nil
Electrical Condutivity	800	Free Carbon Dioxide	38
Chlorine in Chloride	114	Dissolved Solids dried at 180°C	540
		Alkalinity as Ca Co3	280
Hardness as Ca Co3: 315	Carbonate: 280	Non-carbonate	35
Nitrogen in Nitrate	0.0	Nitrogen in Nitrite	Absent
Ammoniacal Nitrogen	0.23	Permanganate Value	0.20
Albuminoid Nitrogen	0.00	Residual Chlorine	...
Metals: Iron	0.30	Copper, lead, manganese	Absent
Zinc	0.06		

Cadmium: Not detected, less than 0.01 Fluoride: 1.0

Anionic Synthetic Detergent as Manoxol O.T. Not detected, less than 0.02

BACTERIOLOGICAL RESULTS

	1 day at 37°C.	2 days at 37°C.	3 days at 20 - 22°C
Number of colonies developing on agar	... per ml	... per ml	... per ml
	Present in	Absent from	Most probable number.
Presumptive coliform reaction	... ml	... ml	... per 100 ml
Escherichia coli	... ml	... ml	... per 100 ml
Clostridium perfringens (Cl. welchii) reaction	... ml	... ml	

This sample shows slight opalescence and deposit associated with the trace of iron which is present. The water also contained a very minute trace of zinc. It is neutral in reaction. It is very hard in character but its hardness and its content of mineral and saline constituents in solution are not considered excessive. The water conforms to the highest standard of organic quality.

DETAILS OF HOUSES AND CIVILIAN POPULATION SUPPLIED WITH MAINS WATER

	Est. Civilian Popn.	No. of houses	Direct to house			From standpipes		
			No. of houses	Est. Popn.	% Popn.	No. of houses	Est. Popn.	% Popn.
Abberton	438	175	172	428	97.7	1	3	0.6
Aldham	507	208	183	490	96.6	2	6	1.1
West Bergholt	2,211	866	825	2,176	98.4	34	85	3.8
Birch	858	314	301	820	95.5	11	37	4.3
Boxted	1,223	461	422	1,181	96.5	6	19	1.4
Chappel	522	193	175	479	91.7	14	40	7.6
Wakes Colne	452	162	130	381	84.3	18	59	13.1
Copford	1,017	350	334	987	98.0	5	15	1.4
Dedham	1,826	688	611	1,688	92.4	39	101	5.5
East Donyland	1,673	622	601	1,636	97.8	4	12	0.7
Eight Ash Green	1,279	447	413	1,192	93.2	26	75	5.8
Fingringhoe	762	260	454	749	98.3	1	4	0.5
Fordham	717	279	266	686	95.7	8	28	3.9
Great Horkesley	1,453	518	483	1,390	95.6	9	46	3.1
Little Horkesley	286	80	65	258	90.3	-	-	-
Langenhoe	219	76	71	213	97.7	2	7	3.2
Langham	905	328	290	879	97.6	-	-	-
Layer Breton	261	90	75	239	91.6	5	18	7.1
Layer de la Haye	1,153	513	390	1,104	95.8	13	31	2.9
Layer Marney	218	72	69	214	98.1	1	3	1.3
East Mersea	317	102	90	301	94.9	3	9	2.8
Messing cum Inworth	375	129	124	365	96.9	2	6	1.6
Mount Bures	183	69	67	179	97.9	-	-	-
Peldon	539	190	180	418	97.3	4	12	2.2
Salcott	211	87	75	205	97.1	10	30	15.3
Stanway	4,664	1,609	1,593	4,544	97.4	13	35	0.7
Great Tey	659	236	224	617	93.6	10	32	4.9
Marks Tey	1,719	649	581	1,583	92.1	32	94	5.4
Tiptree	6,259	2,328	2,287	5,830	93.1	14	34	0.5
Virley	48	14	13	46	95.9	-	-	-
Gt. & Lt. Wigborough	235	85	76	208	88.0	4	15	6.3
Wormingford	381	133	119	337	88.0	11	33	9.8
	33,570	12,333	11,759	31,823	94.8	302	889	2.6

SEWERAGE

The villages of Tiptree, Stanway, West Bergholt, Rowhedge, Copford, Marks Tey, Eight Ash Green, Aldham, Fordham, Great Tey, Chappel, Wakes Colne, Wakes Colne Green, Great Horkesley, Messing, Fingringhoe, Abberton, Langenhoe, Peldon, Birch, Layer Breton, Salcott, Wormingford, Layer de la Haye and Inworth are provided with sewers.

Sewage disposal works are provided at Tiptree, Dedham, West Bergholt, Fordham, Copford, Great Tey, Wakes Colne, Fingringhoe, Birch, Salcott, Wormingford, Layer de la Haye and Inworth.

The sewage from the greater part of Stanway and Rowhedge is discharged into the Colchester Corporation Sewerage System.

Work on the Inworth scheme was completed during the year.

Substantial progress was made in the provisions of sewers. Work was commenced on the Easthorpe, Blackheath, Langham and Boxted, and Great and Little Wigborough schemes.

The scheme to serve Nayland Road, West Bergholt is in the course of preparation.

The response from property owners in connecting their properties to the sewer when it becomes available continues to be quite good, and a number of long standing drainage nuisances have been abated by provision of drainage to the sewer.

An increasing volume of work arises in the department in advising on and approving and testing alterations to existing drainage systems, and this has to be given priority over other work.

Below are given details of the estimated percentage of properties connected to the sewer on our more recent schemes:-

Scheme	Est. No. of houses on line of sewer	Est. No. of Houses connected	Percentage of Houses connected
Abberton, Peldon, Langenhoe, Fingringhoe.	592	518	87.4
Birch and Layer Breton	249	237	95.1
Chappel and Wakes Colne	220	134	60.1
Copford and Marks Tey	907	757	83.3
Eight Ash Green	800	668	83.5
Great Horkesley	362	292	80.6
Messing	159	89	55.9
Salcott & Virley	75	60	80.0
Great Tey	142	117	82.3
Wormingford	97	58	59.7
Layer de la Haye	375	304	81
Inworth	24	16	66.6

POULTRY INSPECTION

There is one poultry processing premises within the district which processes hens.

From February 1967 all poultry at these premises has been inspected using the 'spotter' system by which suspect birds are put out by an experienced operator for inspection by the Public Health Inspector who also does a routine check of the other birds.

Number of visits to premises	150
Total number of birds processed during the year	75,120
Total number of birds condemned during the year	1,140
Percentage of birds rejected as unfit for human consumption	1.5%

MEAT INSPECTION

There are two licensed slaughterhouses in the district, one at Dedham and the other at Boxted, which serve the requirements of the respective owners. Both comply with the slaughterhouse construction regulations.

All animals slaughtered in the district have been inspected by a qualified Inspector for the past twenty years. The Meat Inspection Regulations, 1963, which come into operation on 1st October 1963, require that all meat at slaughterhouses must be inspected before it is removed from the slaughterhouse. These regulations also prescribe the method of inspection to be carried out and require that all meat inspected and passed fit for human consumption must be marked.

These requirements have been fully carried out despite the fact that a number of animals are regularly slaughtered on Saturday afternoon and evening each week.

Any unsound or diseased meat is removed from the premises under supervision for disposal at the local fat extraction plant.

MEAT AND OTHER FOODS

CARCASES AND OFFAL INSPECTED AND CONDEMNED

IN WHOLE OR IN PART DURING 1972

	Cattle Excluding Cows	Cows	Calves	Sheep and Lambs	Pigs	Horses
Number Killed	365	-	1	378	756	-
Number inspected	365	-	1	378	756	-
All diseases except Tuberculosis and cystercerci						
Whole carcases condemed	-	-	-	-	-	-
Carcases of which some part of organ was condemed	21	-	-	-	45	-
Percentage of the number inspected affected with disease other than tuberculosis and cystercerci	5.7%	-	-	-	5.9%	-
Tuberculosis only						
Whole carcases condemned	-	-	-	-	-	-
Carcases of which some part or organ was condemned	-	-	-	-	-	-
Percentage of the number inspected affected with tuberculosis	-	-	-	-	-	-
Cysticercosis						
Carcases of which some part or organ was condemned	-	-	-	-	-	-
Carcases submitted to treatment by refrigeration	-	-	-	-	-	-
Generalised and totally condemned	-	-	-	-	-	-

FOOD PREMISES

The majority of food premises are owner occupied, and the owner is directly responsible for the running of the business. Standards of construction and hygiene are generally satisfactory and during the year frequent inspections have been made to all types of food premises.

Details are given below of the number of food premises in the district, subject to the Food Hygiene (General) Regulations, 1970, grouped in categories of trade carried on in them:-

Trade	Number of Premises	Fitted to comply with Reg. 18	Reg. 21 applies	Fitted to comply with Reg. 21
General	109	109	93	93
Baker and Confectioners	6	6	6	6
Catering Premises	117	117	117	117
Butchers	11	11	11	11
Fishmongers	3	3	3	3
Brewers	1	1	1	1

Regulation 18 - Provision of wash hand basins
Regulation 21 - Provision of sinks, or other facilities, for washing of food and equipment.

FOOD CONDEMNED

	cwts.	lbs.
Meat at slaughterhouses	3	43
Meat at other premises		57
	3	100

3,484 tins	Canned Meat
38,067 tins	Other foods
642 packets	Frozen foods
164 cartons	Ice Cream
38lbs	Milk powder
2 barrels	Greengage pulp

ATMOSPHERIC POLLUTION

In conjuction with the Essex County Council a smoke/sulphur dioxide measuring instrument is operating at Little Horkesley reservoir. This forms a part of the National Survey of Air Pollution in Great Britain organised by the Air Pollution Division of the Ministry of Technology.

The instrument draws in a measured quantity of air from which information regarding the smoke and sulphur dioxide in the atmoshphere is deduced.

This information is forwarded monthly to the Ministry of Technology.

CIVIC AMENITIES ACT 1967

This Act places a responsibility on the Authority to arrange for the removal and disposal of abandoned vehicles, subject to the procedures detailed in the Act being followed. The cost of removal of a vehicle is recoverable from the owner, if known, and in every case attempts are made to trace the owner before any other action is taken.

During 1972 nine vehicles were removed for disposal under the provisions of this Act.

REFUSE COLLECTION

Thirteen men (including the foreman) are employed on this service. Four vehicles are in full time use and one vehicle in use for two days each week.

A reorganisation of the service and the introduction of an incentive bonus scheme, following a Work Study survey, was implemented in February. Certain modifications had to be made to the original scheme and these were implemented in April.

A new large capacity continuous loading refuse vehicle was put into operation in February and in October an ex-demonstration vehicle, again large capacity continuous loading was purchased.

RODENT CONTROL

The Council employs one full time rodent operator who undertakes treatment of dwelling houses upon request or when found to be infested with rats or mice following routine inspection.

Business premises are treated but a charge is made for labour and materials. The Council also undertakes the treatment of agricultural premises on a yearly contract basis.

Summary of Visits during 1972

	No. of Properties treated	No. of Visits
Agricultural Premises	55	260
Other Premises including domestic premises	560	619

In addition 70 wasp nests were destroyed by the rodent operator during the year at premises within the district.

SUMMARY OF INSPECTIONS MADE DURING 1972

Premises inspected under Public Health Acts	506
Reinspections under Public Health Acts	228
Premises inspected under Housing Acts	676
Reinspections under Housing Acts	307
Slaughterhouse inspections	175
Food and Drugs Act	196
Factories and Workshops	43
Appointments and interviews with property owners	93
Water samples taken for analysis	39
Rodent Control	159
Caravan Sites etc.	21
Refuse Collection	438
Petroleum installations inspected	38
Clean Air Act	92
Offices, Shops and Railway Premises Act	103
Diseases of Animals Act	6
Animal Boarding Establishments Act	13
Poultry Processing Establishments	150
Civic Amenities Act	22
Noise Abatement Act	13
Road Numbering	44

FACTORIES ACT, 1961

Inspections have been made at the various factories and defects observed have been remedied. The following table gives details of work done.

Inspections for Purposes of Provisions as to Health
(including inspections made by Public Health Inspectors)

Premises	No. on register at 31.12.72.	Number of		
		Inspections	Written Notices	Occupiers Prosecuted
(i) Factories in which Sections 1,2,3,4 and 6 are to be enforced by the Local Authority.	14	4	Nil	Nil
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	86	37	Nil	Nil
(iii) Other premises in which Section 7 is enforced by the Local Authority (excluding outworkers' premises)	2	2	Nil	Nil
Totals	102	43	Nil	Nil

Cases in which defects were found

Particulars	No. of cases in which defects were found				No of cases in which prosecutions were instituted
	Found	Remedied	REFERRED to H.M. Inspector	REFERRED by H.M. Inspector	
Want of cleanliness	2	2	Nil	1	Nil
Overcrowding	Nil	Nil	Nil	Nil	Nil
Unreasonable Temperature	Nil	Nil	Nil	Nil	Nil
Inadequate Ventilation	Nil	Nil	Nil	Nil	Nil

Cases in which defects were found (cont'd.)

Particulars	No. of cases in which defects were found				No. of cases in which prosecutions were instituted
	Found	Remedied	REFERRED to H.M. Inspector	REFERRED by H.M. Inspector	
Ineffective drainage of floors	Nil	Nil	Nil	Nil	Nil
Sanitary Conveniences					
a. insufficent	Nil	Nil	Nil	Nil	Nil
b. unsuitable or defective	2	2	Nil	Nil	Nil
c. not separate for sexes	Nil	Nil	Nil	Nil	Nil
Other offences against the Act (not including offences relating to outwork)	2	2	Nil	Nil	Nil
Totals	6	6	Nil	1	Nil

OUTWORK

Nature of work	Section 133		Section 134			
	No. of outworkers in Aug. list	No. of cases of default in sending lists to the Council	No. of prosecutions for failure to supply lists	No. of instances of work in unwholesome premises	Notices served	Prosecutions
Wearing Apparel Making etc.	8	Nil	Nil	Nil	Nil	Nil
Furniture & Upholstery	Nil	Nil	Nil	Nil	Nil	Nil
TOTALS	8	Nil	Nil	Nil	Nil	Nil

OFFICES, SHOPS AND RAILWAY PREMISES ACT 1963

All new premises likely to come under the Act are visited, and re-visits are now being made to existing premises.

It has not yet been found necessary to instigate any legal action to ensure compliance of the regulations - this has always been obtained by informal action.

One accident was reported during the year. A brewery drayman was wheeling a barrow loaded with 5 cases when it tilted, resulting in him crushing his fingers between the cases and a brick wall.

Class of Workplace	Total No. of premises registered	No. of registered premises receiving general inspection during the year	No. of persons employed in registered premises
Offices	15	4	56
Retail Shops	73	21	245
Wholesale Shops, Warehouses	5	1	88
Catering Establishments, Canteen	17	6	139
Fuel Storage Depots	-	Nil	-
TOTALS	110	32	528
		Males	211
		Females	317

Number of visits of all kinds (including general inspections) to registered premises 103